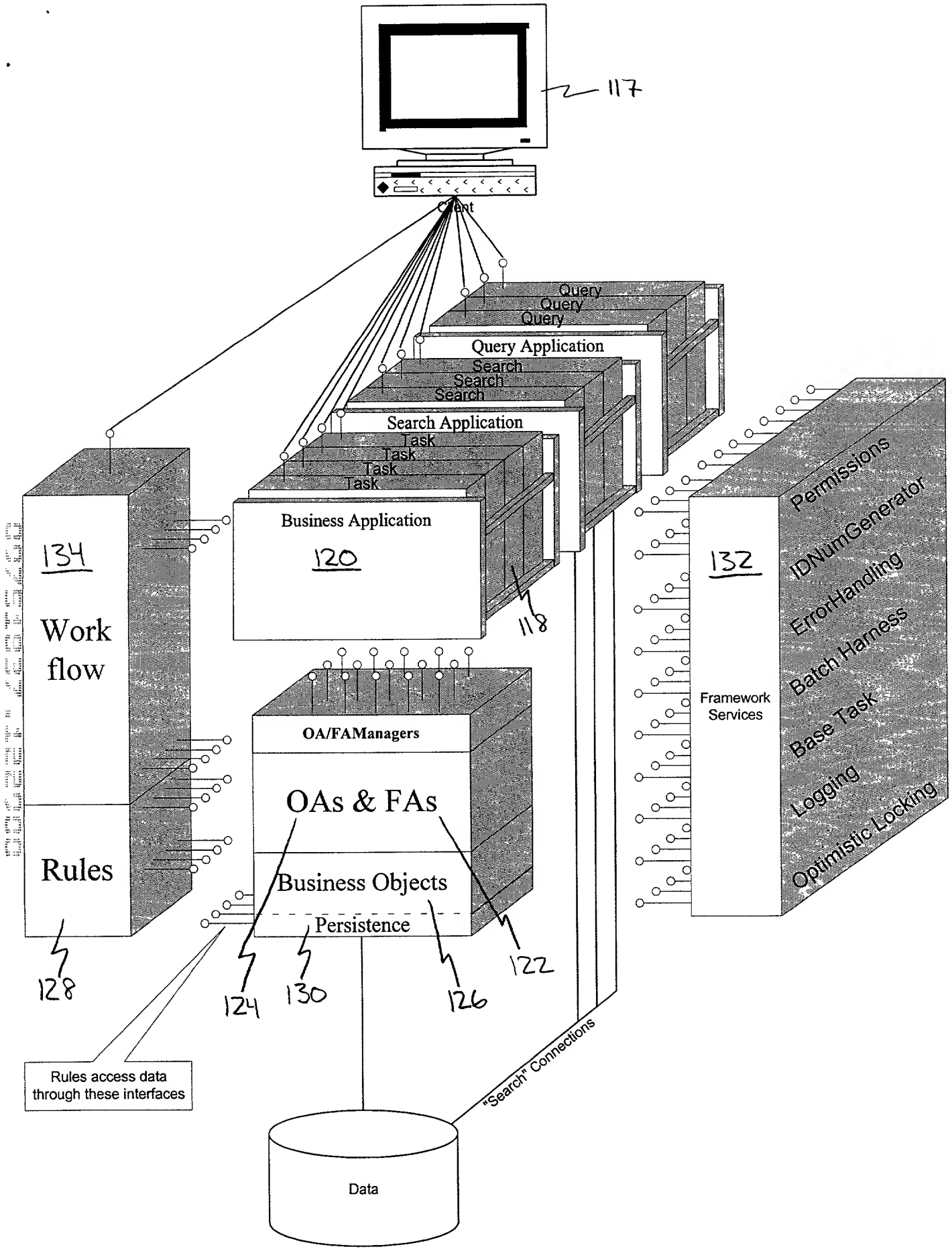

117
Client
Query
Query
Query
Query Application
Search
Search
Search
Search Application
Task
Task
Task
Task
Business Application
120
118
134
Work flow
Rules
128
OA/FAManagers
OAs & FAs
Business Objects
Persistence
124
130
126
122
132
Framework Services
Permissions
IDNumGenerator
ErrorHandling
Batch Harness
Base Task
Logging
Optimistic Locking
Rules access data through these interfaces
"Search" Connections
Data

Figure 1A

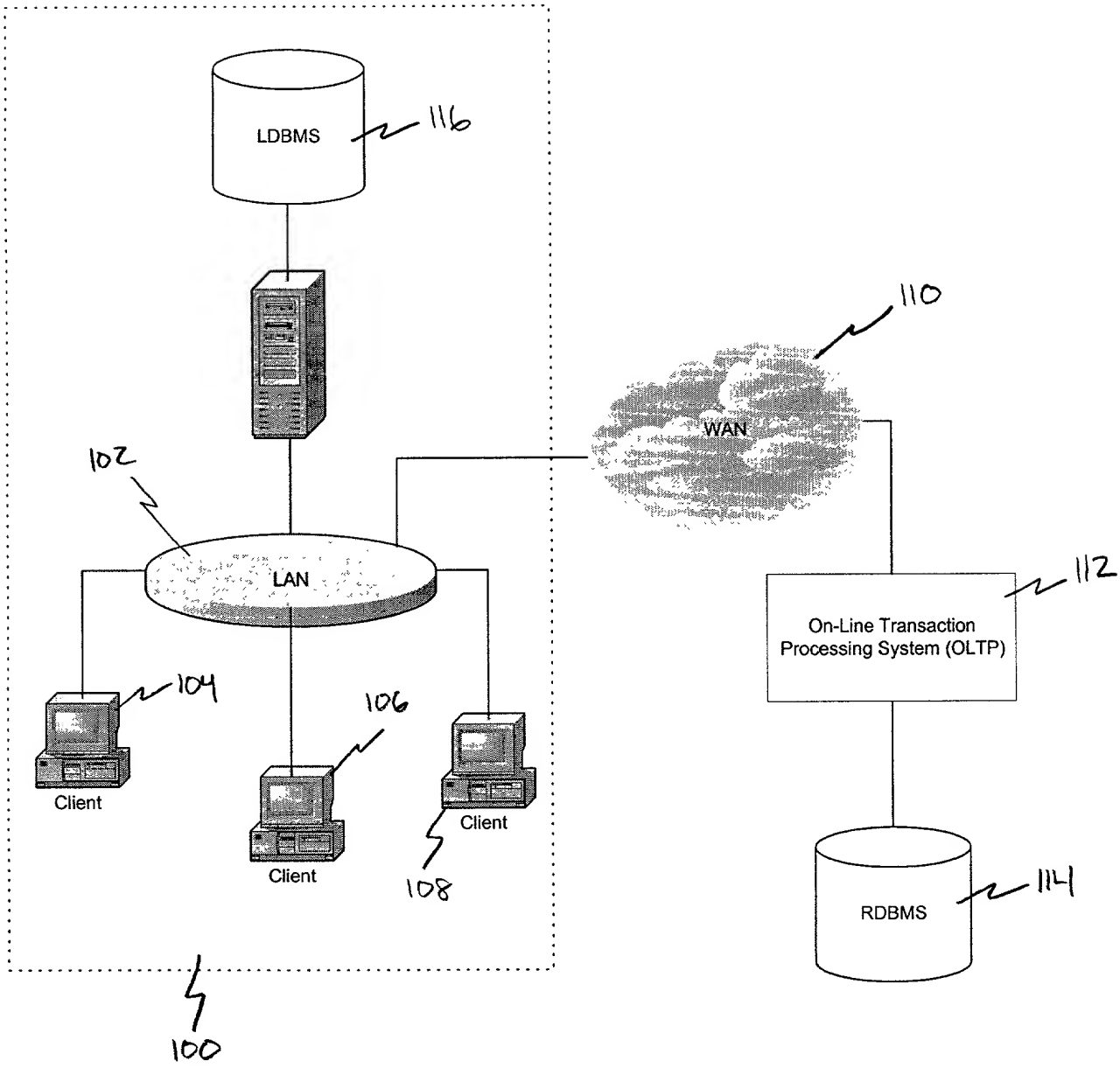

LDBMS
116
110
WAN
102
LAN
112
On-Line Transaction Processing System (OLTP)
104
106
Client
Client
Client
108
RDBMS
114
100

FIG. 1B

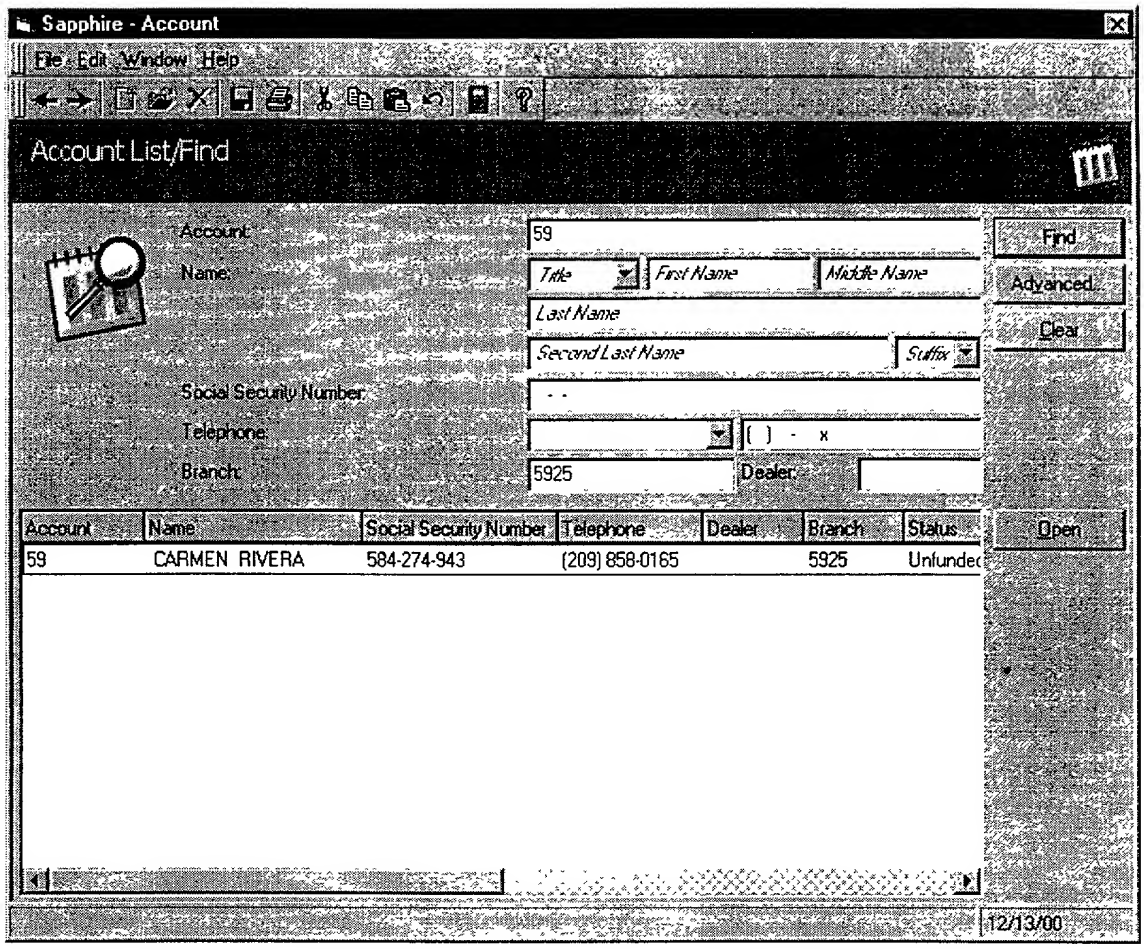
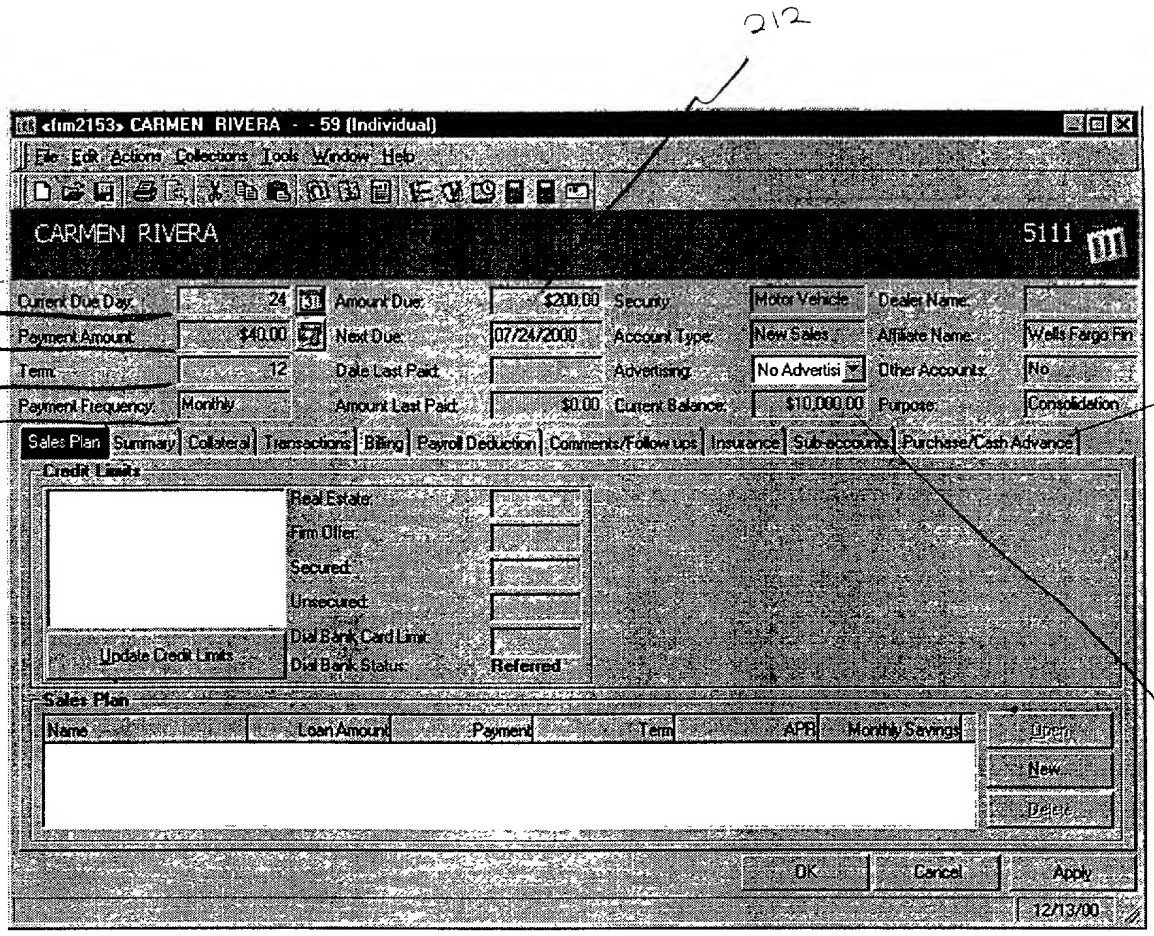

Sapphire - Account
File Edit Window Help
Account List/Find
Account:
Name:
Social Security Number:
Telephone:
Branch:
59
Title
First Name
Middle Name
Last Name
Second Last Name
Suffix
- -
( ) - x
5925
Dealer:
Find
Advanced
Clear
Open
Account
Name
Social Security Number
Telephone
Dealer
Branch
Status
59
CARMEN RIVERA
584-274-943
(209) 858-0165
5925
Unfunded
12/13/00

FIG. 2A


212
<fm2153> CARMEN RIVERA - - 59 (Individual)
File Edit Actions Collections Tools Window Help
CARMEN RIVERA
5111
202
204
206
208
210
211
214
Current Due Day:
24
Amount Due:
$200.00
Security:
Motor Vehicle
Dealer Name:
Payment Amount:
$40.00
Next Due:
07/24/2000
Account Type:
New Sales
Affiliate Name:
Wells Fargo Fin
Term:
12
Date Last Paid:
Advertising:
No Advertisi
Other Accounts:
No
Payment Frequency:
Monthly
Amount Last Paid:
$0.00
Current Balance:
$10,000.00
Purpose:
Consolidation
Sales Plan
Summary
Collateral
Transactions
Billing
Payroll Deduction
Comments/Follow ups
Insurance
Sub-accounts
Purchase/Cash Advance
Credit Limits
Real Estate:
Firm Offer:
Secured:
Unsecured:
Update Credit Limits
Dial Bank Card Limit:
Dial Bank Status:
Referred
Sales Plan
Name
Loan Amount
Payment
Term
APR
Monthly Savings
Open...
New...
Delete
OK
Cancel
Apply
12/13/00

200

FIG. 2E

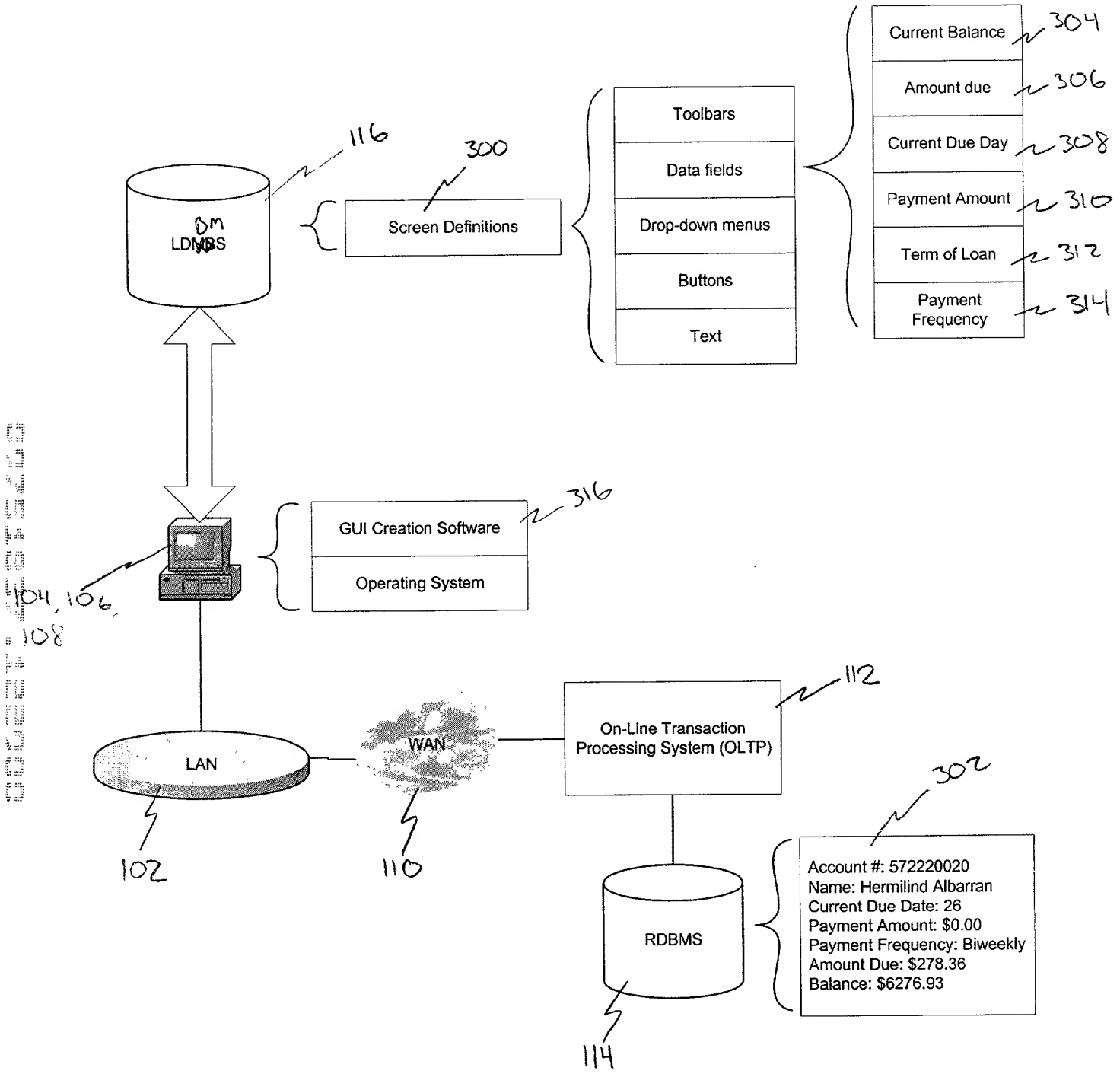

116
300
LDM
LDMBS
Screen Definitions
Toolbars
Data fields
Drop-down menus
Buttons
Text
Current Balance
304
Amount due
306
Current Due Day
308
Payment Amount
310
Term of Loan
312
Payment Frequency
314
316
GUI Creation Software
Operating System
104, 106
108
LAN
WAN
102
110
On-Line Transaction Processing System (OLTP)
112
302
RDBMS
114
Account #: 572220020
Name: Hermilind Albarran
Current Due Date: 26
Payment Amount: $0.00
Payment Frequency: Biweekly
Amount Due: $278.36
Balance: $6276.93

FIG. 3

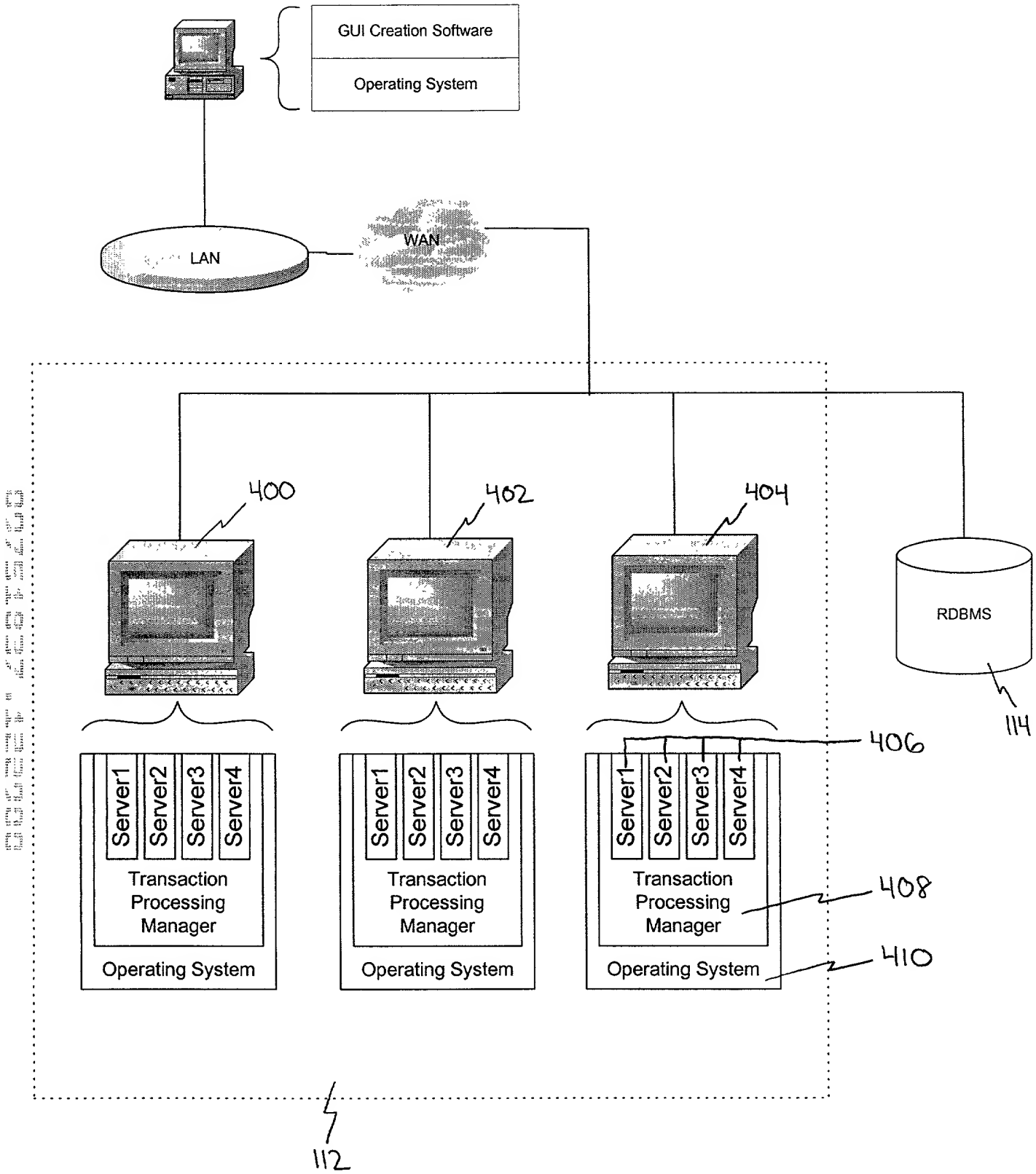

GUI Creation Software
Operating System
LAN
WAN
400
402
404
RDBMS
114
406
Server1
Server2
Server3
Server4
Transaction Processing Manager
Operating System
408
410
112

FIG. 4

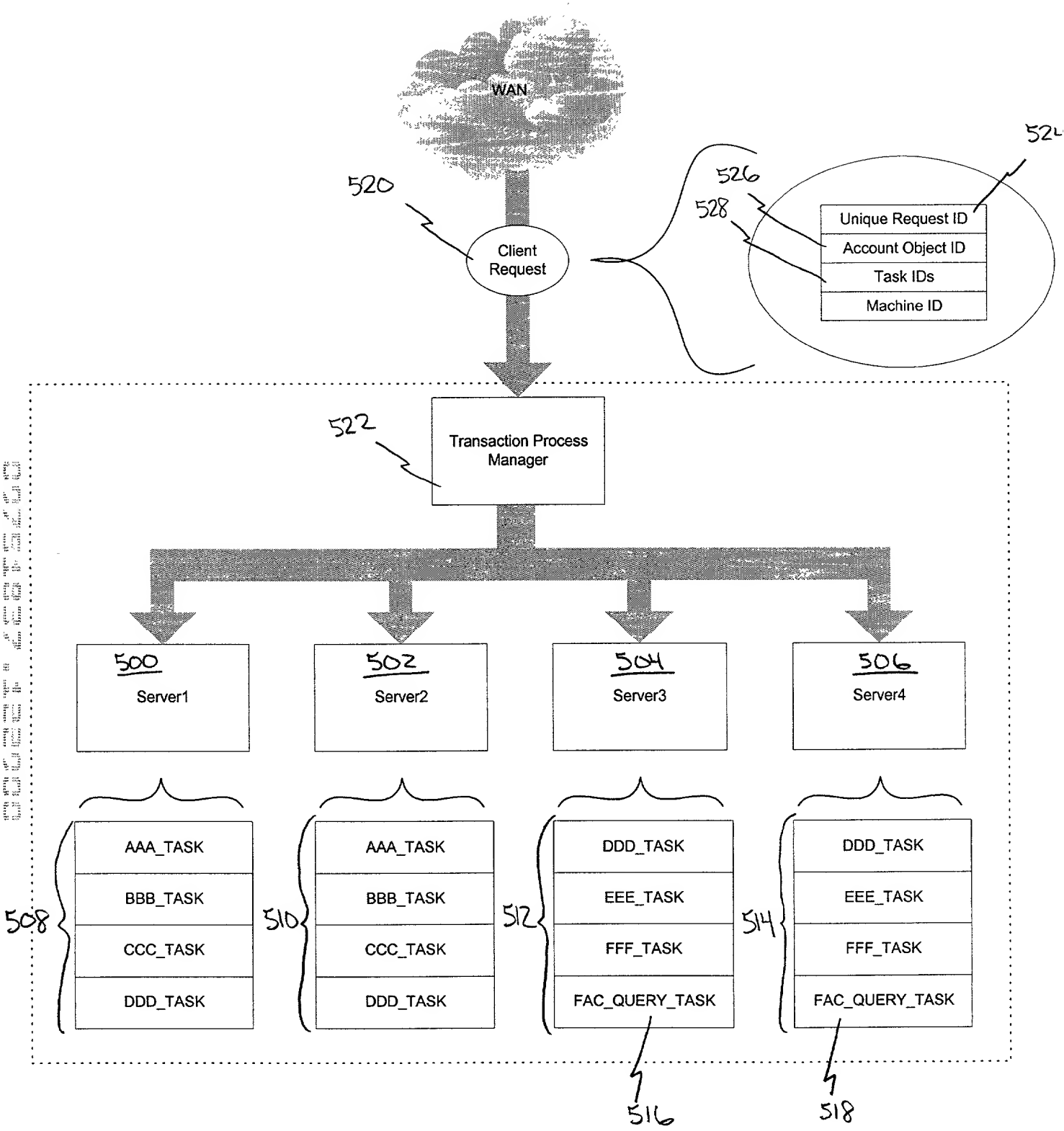

WAN
520
Client Request
526
528
Unique Request ID
Account Object ID
Task IDs
Machine ID
522
Transaction Process Manager
500
Server1
502
Server2
504
Server3
506
Server4
AAA_TASK
BBB_TASK
CCC_TASK
DDD_TASK
508
AAA_TASK
BBB_TASK
CCC_TASK
DDD_TASK
510
DDD_TASK
EEE_TASK
FFF_TASK
FAC_QUERY_TASK
512
DDD_TASK
EEE_TASK
FFF_TASK
FAC_QUERY_TASK
514
516
518

FIG. 5

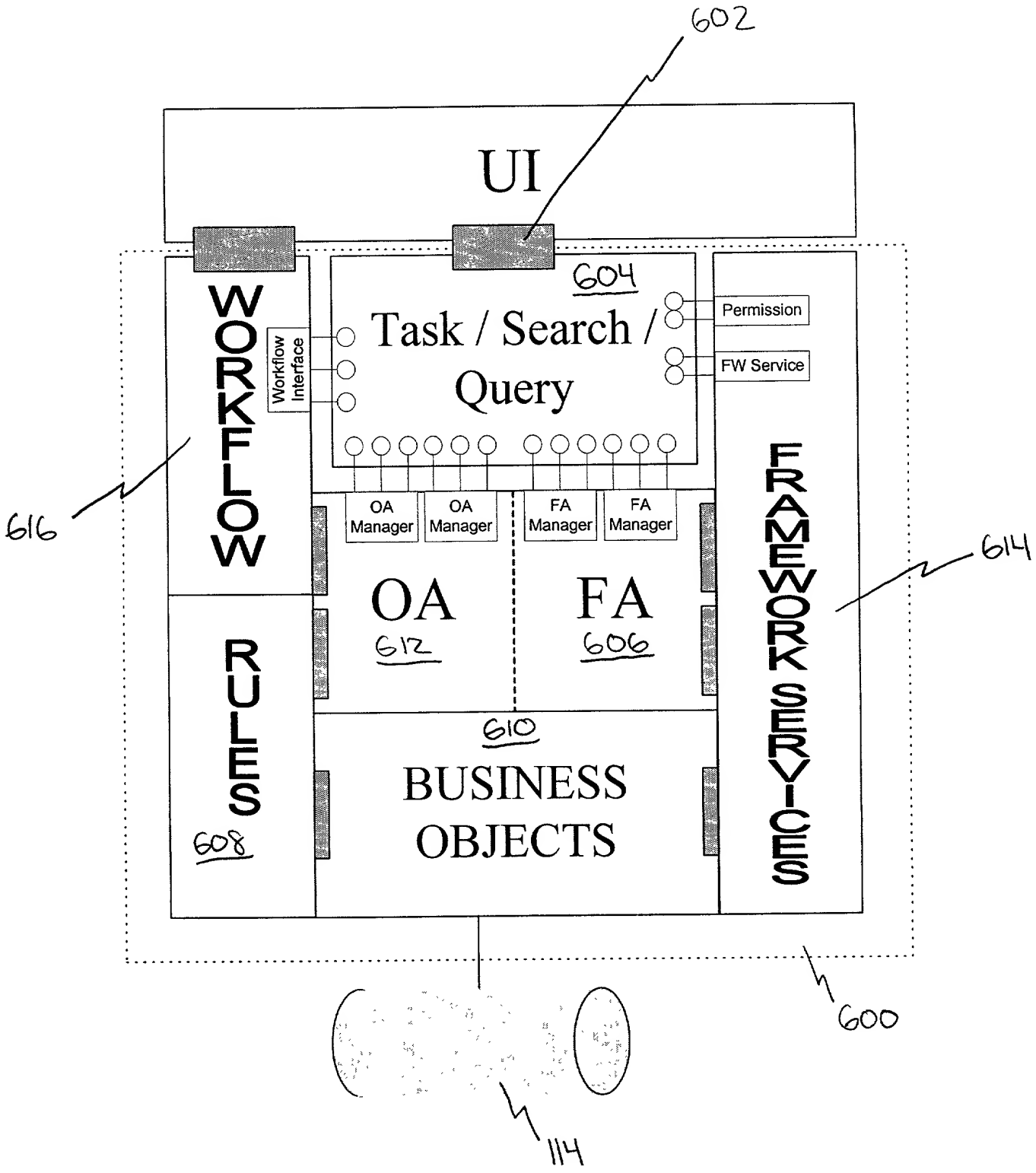

602
UI
604
Task / Search / Query
Workflow Interface
Permission
FW Service
WORKFLOW
616
OA Manager
OA Manager
FA Manager
FA Manager
OA
612
FA
606
614
FRAMEWORK SERVICES
RULES
608
610
BUSINESS OBJECTS
600
114

FIG. 6

700

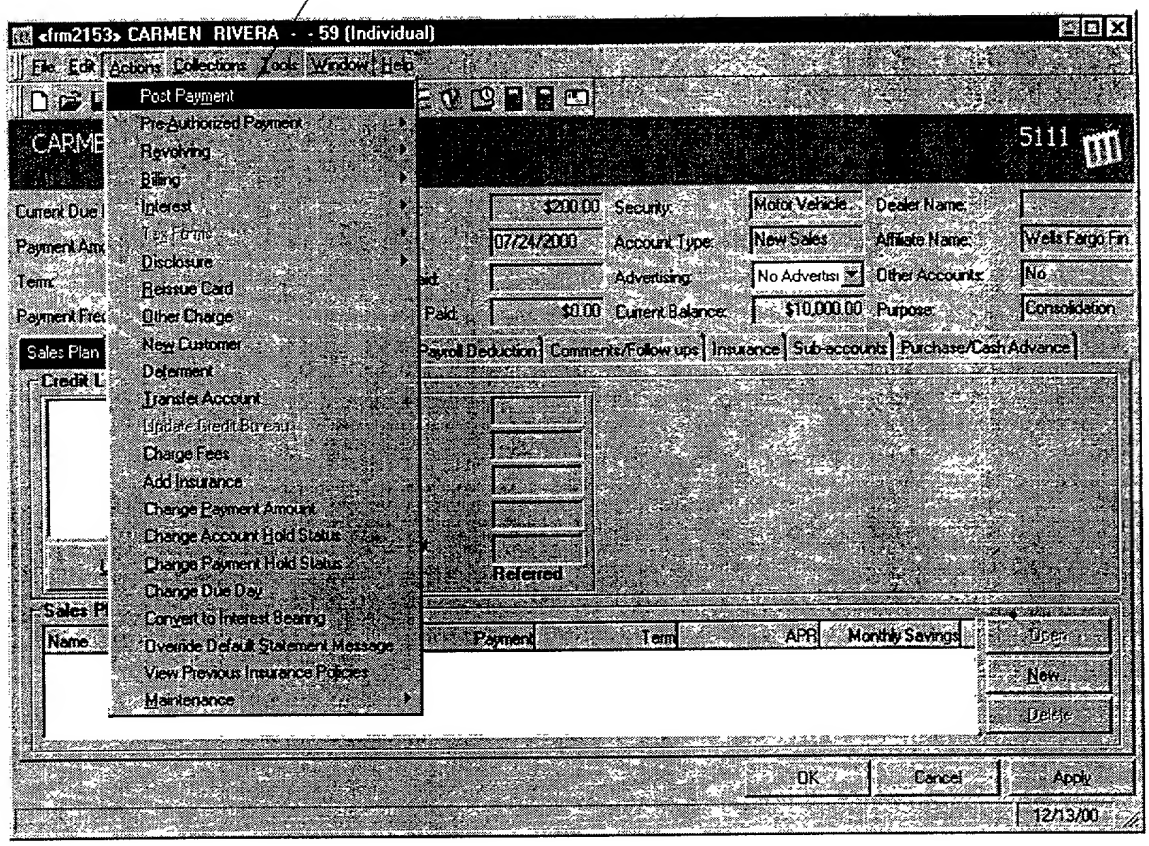
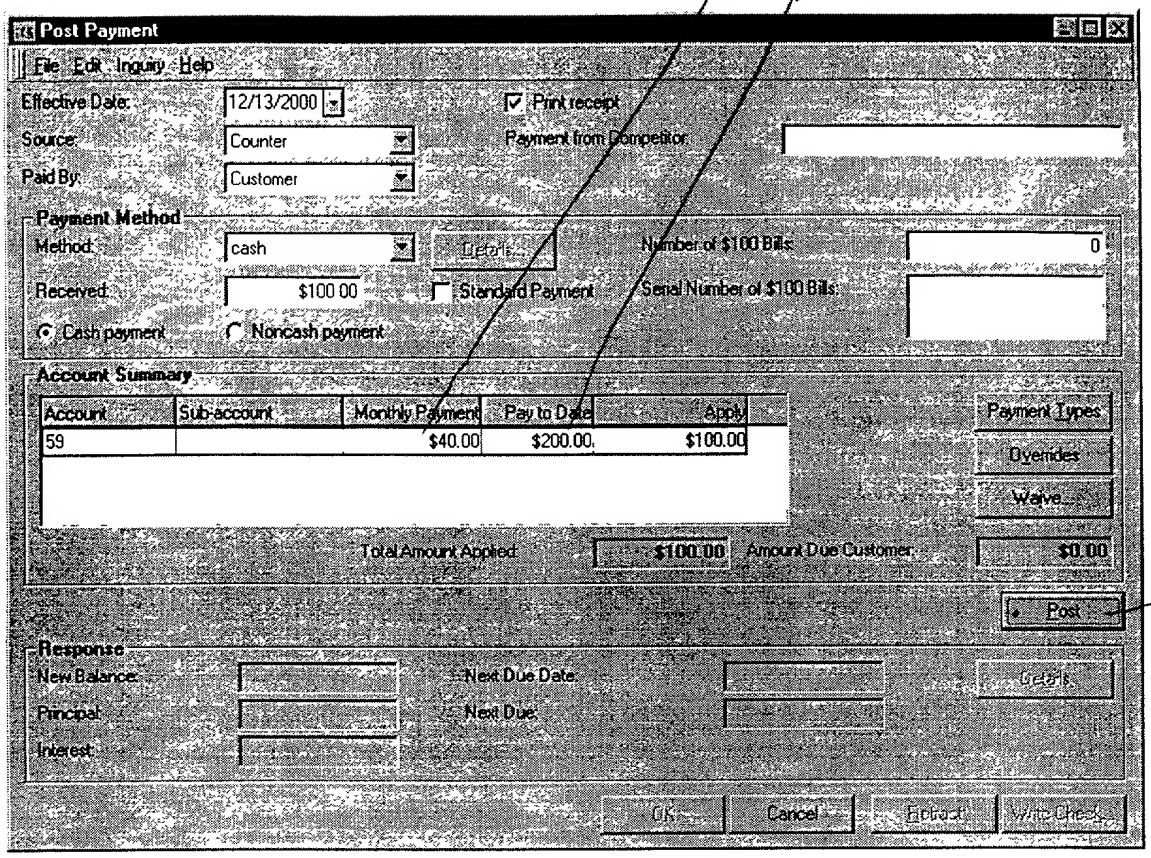

<frm2153> CARMEN RIVERA - - 59 (Individual)
File Edit Actions Collections Tools Window Help
Post Payment
Pre-Authorized Payment
Revolving
Billing
Interest
Tax Forms
Disclosure
Reissue Card
Other Charge
New Customer
Deferment
Transfer Account
Update Credit Bureau
Charge Fees
Add Insurance
Change Payment Amount
Change Account Hold Status
Change Payment Hold Status
Change Due Day
Convert to Interest Bearing
Override Default Statement Message
View Previous Insurance Policies
Maintenance
5111
$200.00
Security:
Motor Vehicle
Dealer Name:
07/24/2000
Account Type:
New Sales
Affiliate Name:
Wells Fargo Fin
Advertising:
No Advertisi
Other Accounts:
No
$0.00
Current Balance:
$10,000.00
Purpose:
Consolidation
Payroll Deduction
Comments/Follow ups
Insurance
Sub-accounts
Purchase/Cash Advance
Sales Plan
Credit L
Referred
Sales Pl
Name
Payment
Term
APR
Monthly Savings
Open
New
Delete
OK
Cancel
Apply
12/13/00

FIG. 7


804
802
Post Payment
File Edit Inquiry Help
Effective Date: 12/13/2000
Print receipt
Source: Counter
Payment from Competitor:
Paid By: Customer
Payment Method
Method: cash
Details...
Number of $100 Bills: 0
Received: $100.00
Standard Payment
Serial Number of $100 Bills:
Cash payment
Noncash payment
806
Account Summary
Account
Sub-account
Monthly Payment
Pay to Date
Apply
59
$40.00
$200.00
$100.00
Payment Types...
Overrides...
Waive...
Total Amount Applied: $100.00
Amount Due Customer: $0.00
Post
808
Response
New Balance:
Next Due Date:
Details...
Principal:
Next Due:
Interest:
OK
Cancel
Refund
Write Checks...

800

FIG. 8

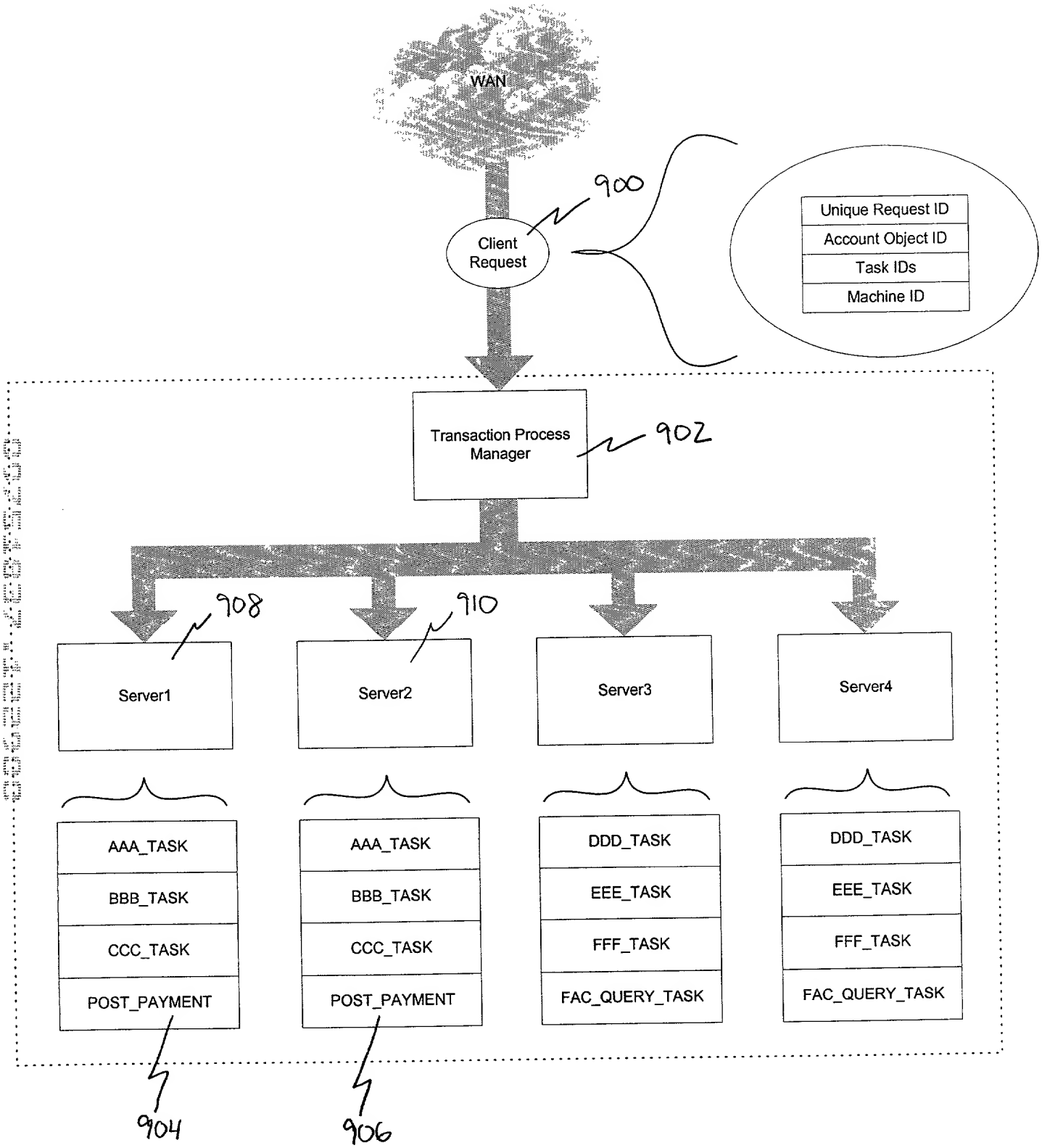

WAN
900
Client Request
Unique Request ID
Account Object ID
Task IDs
Machine ID
Transaction Process Manager
902
908
910
Server1
Server2
Server3
Server4
AAA_TASK
BBB_TASK
CCC_TASK
POST_PAYMENT
AAA_TASK
BBB_TASK
CCC_TASK
POST_PAYMENT
DDD_TASK
EEE_TASK
FFF_TASK
FAC_QUERY_TASK
DDD_TASK
EEE_TASK
FFF_TASK
FAC_QUERY_TASK
904
906

FIG. 9

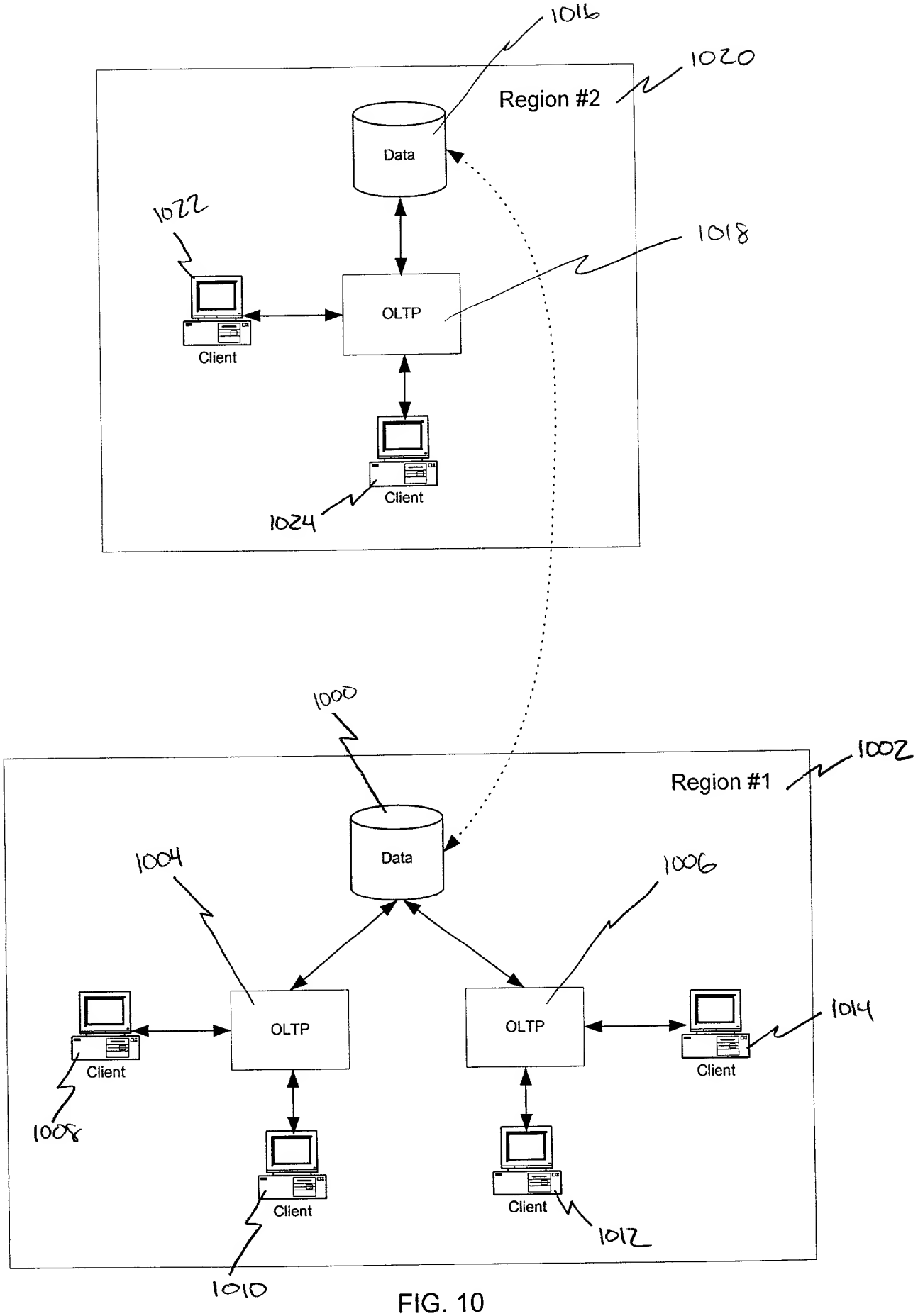

1016
1020
Region #2
Data
1022
1018
OLTP
Client
Client
1024
1000
1002
Region #1
Data
1004
1006
OLTP
OLTP
Client
Client
1014
1008
Client
Client
1012
1010

FIG. 10